

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (REV. 7-80) PATENT AND TRADEMARK OFFICE			ATTY. DOCKET NO. 204936-9001	SERIAL NO.				
INFORMATION DISCLOSURE STATEMENT						 JC857 U.S. PTO 09/912082 07/24/91		
(USE SEVERAL SHEETS IF NECESSARY)			APPLICANT Yoshinori MURAMATSU et al.					
			FILING DATE Herewith		GROUP			
U.S. PATENT DOCUMENTS								
EXAMINE R INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROP.	
	AA							
	AB							
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	AD							
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	AJ							
	AK							
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLAT ION	
							YES NO	
JS	AL	2554667	Aug 22, 1996	Japan	G 06 T	7/00		X
JS	AM	11-235452	Aug. 31, 1999	Japan	A 63 F	7/02		X
JS	AN	10-187954	Jul. 21, 1998	Japan	G 06 T	1/00		X
	AO							
	AP							
OTHER PRIOR ART (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)								
	AR							
	AS							
	AT							
EXAMINER <i>John Stepp</i>		DATE CONSIDERED 7/2/04						
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<table border="1"> <thead> <tr> <th colspan="5">U.S. PATENT DOCUMENTS</th> </tr> <tr> <th>Examiner Initials</th> <th></th> <th>U.S. Patent Document Number</th> <th>Name of Patentee or Applicant of Cited Document</th> <th>Date of Publication of Cited Document</th> </tr> </thead> <tbody> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td>RECEIVED</td></tr> <tr><td></td><td></td><td></td><td></td><td>NOV 03 2003</td></tr> <tr><td></td><td></td><td></td><td></td><td>Technology Center 2600</td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>					U.S. PATENT DOCUMENTS					Examiner Initials		U.S. Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document										RECEIVED					NOV 03 2003					Technology Center 2600															
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FOREIGN PATENT DOCUMENTS							
Examiner Initials		Country Code	Foreign Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Translation	English Abstract
JS		JP	2000-116624	SECOM CO LTD et al.	04/25/2000		X
JS		JP	7-334649	NIPPON TELEGRAPH & TELEPHONE CORP	12/22/1995		X
JS		JP	4-242486	SHARP CORP	08/31/1992		X

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Examiner Signature	<i>John Strange</i>	Date Considered	7/2/04
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